BIOM 610 - Foundations in Statistics
Spring 2022

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Course Description:
Technological advances have transformed biomedical research, making the generation of complex and high-dimensional datasets routine, and underscoring the importance of robust statistical methods for data analyses. In this course, students will learn to use the open-source R programming language to explore foundational topics in statistics, including regression, hypothesis testing, survival analysis, inference, and handling missing data. The course will be virtual and asynchronous (self-paced) and will leverage online resources, including DataCamp.com.

Laptop required. Students will be evaluated based on completion of video lectures and online assignments.

Enrollment is expected to be 50-80 students.

This course should be taken by 1st year PhD students from CAMB, IGG, PGG.